



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

FILING COMPLETION UNDER RULE 53(f)

(NOT PCT Applications)
For Design, Provisional, or Utility Applications

**PATENT
APPLICATION**

**COMPLETION Under
Rule 53(f)**

Attn: Application Division

In re **PATENT APPLICATION** of

Inventor(s): Mark PEPYS

Appln. No.: 09 985,699
Series Code \uparrow Serial No. \uparrow

Atty.Dkt. P 0284057 206002/JND
M# Client Ref

Filed: November 5, 2001

Title: Therapeutic Agent

Hon. Commissioner of Patents
Washington, DC 20231

Date: May 15, 2002

Sir:

The following **completes the filing** under **Rule 53(f)** of the above-identified patent application:

Notice to File Missing Parts ☒ copy attached ☐ not yet received
☒ Signed Declaration attached. ☐ Original ☒ Facsimile/Copy

(Always "X" box 2 if filing signed Declaration and

"X" box 2A only if top box of the Declaration is X'd and file application copy, or

"X" box 2B only if none of the top three boxes of the Declaration is X'd.)

2A. ☐ Attached: Original signed Declaration with attached specification (including claim(s)) which is a copy of specification and claim(s) originally filed to secure the above filing date.

2B. ☒ The original application as filed in the PTO on the above filing date is the application which each inventor executed by signing the attached Rule 63 Declaration.

☐ Specification originally filed in non-English language; hence verified translation attached of:

a. ☐ Abstract

b. # pages of Specification (only spec. & claims)

c. ☐ Drawing(s)

☐ Fig(s).

No of Sheets

05/17/2002 BABRAHA1 00000115 033975 09985699

05 FC:216 200.00 CH

4. ☐ Letter filing formal drawing attached.
5. ☐ Attached is an assignment and cover sheet. Please return the recorded assignment to the undersigned.
6. **DOMESTIC/INTERNATIONAL** priority is claimed under 35 USC 119(e)/120/365(c) based on the following provisional, nonprovisional and/or PCT international application(s):

Application No.	Filing Date	Application No.	Filing Date
(1)		(2)	
(3)		(4)	
(5)		(6)	

7. **FOREIGN** priority is claimed under 35 USC 119(a)-(d)/365(b) based on filing in GB

Application No.	Filing Date	Application No.	Filing Date
(1) 0119370.5	8 August 2001	(2)	
(3)		(4)	
(5)		(6)	

9. 1 (No.) Certified copy (copies): ☒ attached; ☐ previously filed (date) _____
in U.S. Application No. / filed on _____
10. Small Entity Status ☐ is Not claimed ☒ is claimed (file PAT-256 if this is the first claim of Small Entity Status)
11. ☒ Attached: Replacement Abstract
12. ☐ Preliminary Amendment:

THE FOLLOWING FILING FEE IS BASED ON CLAIMS AS FILED LESS ANY ABOVE CANCELLED

				Large/Small Entity		Fee Code
13. Basic Filing Fee	Design Application			\$330/\$165		106/26
	Not Design Application			\$740/\$370	+370	101/201
14. Total Effective Claims	35	minus 20 =	15	x \$18/\$9	+135	103/203
15. Independent Claims	6	minus 3 =	3	x \$84/\$42	+126	102/202
16. If <u>any proper</u> multiple dependent claim (ignore improper) is present, (Leave this line blank if this is a reissue application)				\$280/\$140	+0	104/204
17. Surcharge for filing Declaration/filing fee late				\$130/\$65	+65	105/205
18.	FILING FEE ENCLOSED =			\$696		
19. Original due date:	March 17, 2002					
20. Petition is hereby made to extend the original due date to (1 mo)				\$110/\$55 =	+200	115/215
cover the date this response is filed for which the requisite fee (2mos)				\$400/\$200 =		116/216
is attached (3mos)				\$920/\$460 =		117/217
(4mos)				\$1,440/\$720 =		118/218
21. If "non-English" box 3 is X'd, add Rule 17(k) processing fee				\$130	+0	139
22. If "assignment" box 5 is X'd, add recording fee				\$40	+0	581
23. Petition Fee for				\$130	+0	
24.	TOTAL FEE ENCLOSED =			\$896		

Our Deposit Account No. 03-3975
Our Order No. 068800

0284057

C#

M#

CHARGE STATEMENT: The Commissioner is hereby authorized to charge any fee specifically authorized hereafter, or any missing or insufficient fee(s) filed, or asserted to be filed, or which should have been filed herewith or concerning any paper filed hereafter, and which may be required under Rules 16-18 (missing or insufficiencies only) now or hereafter relative to this application and the resulting Official document under Rule 20, or credit any overpayment, to our Account/Order Nos. shown in the heading hereof for which purpose a duplicate copy of this sheet is attached. This CHARGE STATEMENT does not authorize charge of the issue fee until/unless an issue fee transmittal form is filed.

Pillsbury Winthrop LLP
Intellectual Property Group

703-905-2064

1600 Tysons Boulevard
McLean, VA 22102
Tel: (703) 905-2000

By Atty: Robin L. Teskin/Samir Elamrani

Reg. No. 35,030/43,601

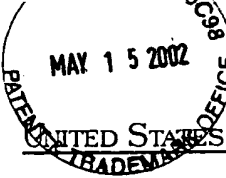
Sig:

Samir Elamrani

Fax: (703) 905-2500
Tel: (703) 905-2200

Atty/Sec: RLT/LAK

NOTE: File in duplicate with PTO receipt (PAT-103A) and attachments



UNITED STATES PATENT AND TRADEMARK OFFICE

COMMISSIONER FOR PATENTS
UNITED STATES PATENT AND TRADEMARK OFFICE
WASHINGTON, D.C. 20231
www.uspto.gov

APPLICATION NUMBER	FILING/RECEIPT DATE	FIRST NAMED APPLICANT	ATTORNEY DOCKET NUMBER
09/985,699	11/05/2001	Mark Pepys	P 0284057 206002/JND/JE/N

CONFIRMATION NO. 4029

00909
PILLSBURY WINTHROP LLP
1600 TYSONS BOULEVARD
MCLEAN, VA 22102

FORMALITIES LETTER



OC000000007326992

Date Mailed: 01/17/2002

NOTICE TO FILE MISSING PARTS OF NONPROVISIONAL APPLICATION

FILED UNDER 37 CFR 1.53(b)

Filing Date Granted

An application number and filing date have been accorded to this application. The item(s) indicated below, however, are missing. Applicant is given **TWO MONTHS** from the date of this Notice within which to file all required items and pay any fees required below to avoid abandonment. Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 CFR 1.136(a).

- The statutory basic filing fee is missing.
Applicant must submit \$ 370 to complete the basic filing fee for a small entity.
- Total additional claim fee(s) for this application is \$261.
 - \$135 for 15 total claims over 20.
 - \$126 for 3 independent claims over 3 .
- The oath or declaration is missing.
A properly signed oath or declaration in compliance with 37 CFR 1.63, identifying the application by the above Application Number and Filing Date, is required.
- To avoid abandonment, a late filing fee or oath or declaration surcharge as set forth in 37 CFR 1.16(l) of \$65 for a small entity in compliance with 37 CFR 1.27, must be submitted with the missing items identified in this letter.
- **The balance due by applicant is \$ 696.**

The application is informal since it does not comply with the regulations for the reason(s) indicated below.

The required item(s) identified below must be timely submitted to avoid abandonment:

- An Abstract not to exceed 150 words in length, commencing on a separate sheet (37 CFR 1.72(b)).

*A copy of this notice **MUST** be returned with the reply.*

05/17/2002 BABRAHA1 00000115 033975 09905699

01 FC:201	370.00 CH
02 FC:205	65.00 CH
03 FC:203	135.00 CH
04 FC:202	126.00 CH

PART 2 - COPY TO BE RETURNED WITH RESPONSE

Figure 1 illustrates the evolution of a vortex pair over time. The diagrams are arranged in two rows of six. The top row shows the initial state at $t=0$, where two vortices are separated by a distance of 2. The subsequent diagrams in the top row show the vortices moving closer together. The bottom row shows the vortices merging into a single vortex at $t=1$. The diagrams are labeled with time steps: $t=0$, $t=0.2$, $t=0.4$, $t=0.6$, $t=0.8$, $t=1.0$, $t=1.2$, $t=1.4$, $t=1.6$, $t=1.8$, $t=2.0$, $t=2.2$.